

```
/*
```

```
Experiment No. :    08
```

```
Statement      :    Turn ON/OFF five LEDs individually via  
serial monitor window.
```

```
Date of Exp.   :    xx/xx/xxxx
```

```
Author         :    Mansi Mandhane (A-24)
```

```
*/
```

```
//Define an array to store the pin numbers for LEDs
```

```
//const int ledPins[] = (2,3, 4, 5, 6);
```

```
void setup(){
```

```
for (int i = 2; i <= 6; i++) { // Loop through pins 2 to 6 and  
set them as OUTPUT
```

```
pinMode(i, OUTPUT);
```

```
}
```

```
Serial.begin(9600); // Initialize serial communication at a baud  
rate of 9600
```

```
}
```

```
void loop(){
```

```
if(Serial.available()>0){ // Check if there's data available  
in the serial buffer
```

```
char key=Serial.read(); // Read a character from the serial  
buffer
```

```
if(key=='0') // Check the received character and control  
corresponding LEDs
```

```
digitalWrite(2,HIGH);
```

```
else if(key=='1')
```

```
digitalWrite(2,LOW);  
else if(key=='2')  
digitalWrite(3,HIGH);  
else if(key=='3')  
digitalWrite(3,LOW);  
else if(key=='4')  
digitalWrite(4,HIGH);  
else if(key=='5')  
digitalWrite(4,LOW);  
else if(key=='6')  
digitalWrite(5,HIGH);  
else if(key=='7')  
digitalWrite(5,LOW);  
else if(key=='8')  
digitalWrite(6,HIGH);  
else if(key=='9')  
digitalWrite(6,LOW);  
}  
}
```

